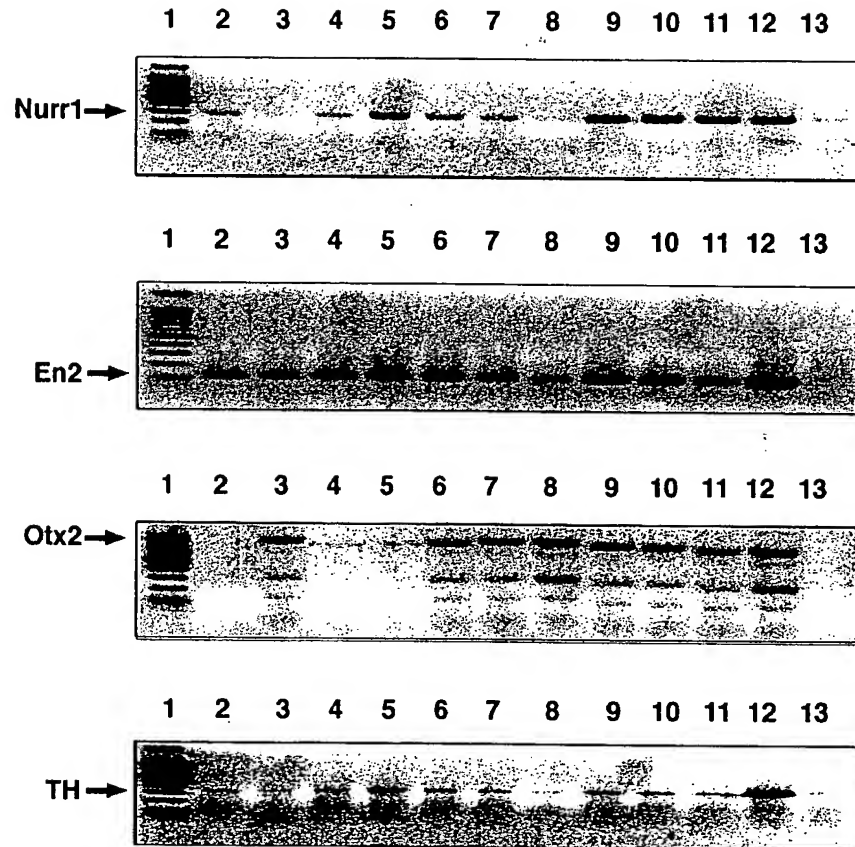
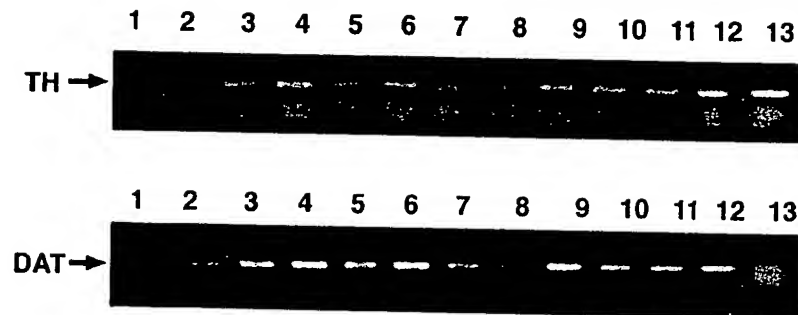


**Fig. 1**



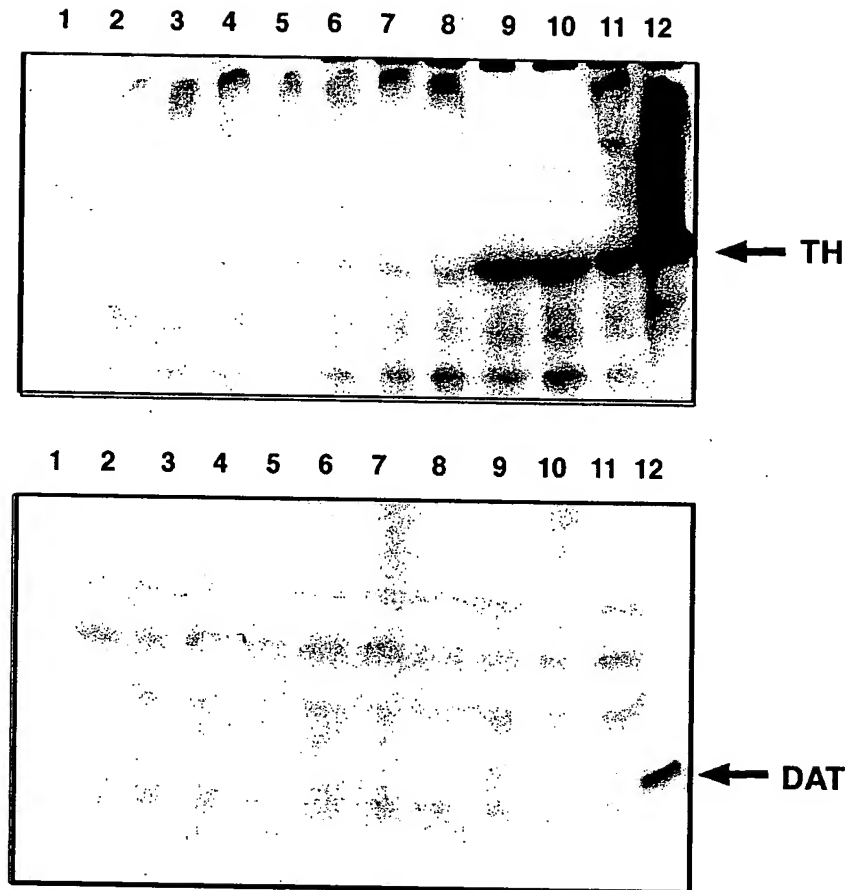
- |                               |                            |
|-------------------------------|----------------------------|
| 1. MW                         | 8. ES+Otx2+En2+SHH+FGF8    |
| 2. ES cells                   | 9. ES+Otx2+Nurr1+SHH       |
| 3. ES+Otx2                    | 10. ES+Otx2+Nurr1+FGF8     |
| 4. ES+En2                     | 11. ES+Otx2+Nurr1+SHH+FGF8 |
| 5. ES+Nurr1                   | 12. E15 Mesencephalon      |
| 6. ES+Otx2+En2+SHH (50ng/ml)  | 13. N27 cells              |
| 7. ES+Otx2+En2+FGF8 (10ng/ml) |                            |

**Fig. 2**



1. ES alone
2. ES+GFP
3. ES+Otx2+FGF8(1ng/ml)+SHH(2.5ng/ml)
4. ES+Otx2+FGF8(1)+SHH(7.5)
5. ES+Otx2+FGF8(1)+SHH(25)
6. ES+Otx2+FGF8(3)+SHH(2.5)
7. ES+Otx2+FGF8(3)+SHH(7.5)
8. ES+Otx2+FGF8(3)+SHH(25)
9. ES+Otx2+FGF8(10)+SHH(2.5)
10. ES+Otx2+FGF8(10)+SHH(7.5)
11. ES+Otx2+FGF8(10)+SHH(25)
12. ES+Otx2+FGF8(0)+SHH(50)
13. E15 Rat Mesen

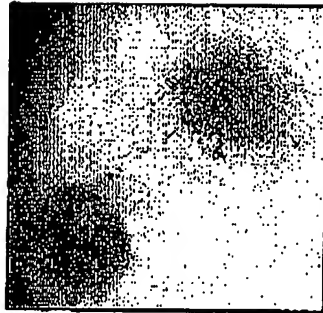
**Fig. 3**



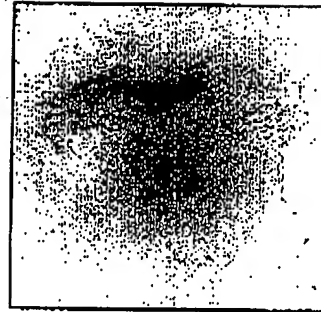
1. MW
2. ES alone
3. ES+GFP
4. ES+Otx2+FGF8(1 ng/ml)+SHH(2.5ng/ml)
5. ES+Otx2+FGF8(1)+SHH(7.5)
6. ES+Otx2+FGF8(3)+SHH(2.5)
7. ES+Otx2+FGF8(3)+SHH(7.5)
8. ES+Otx2+FGF8(10)+SHH(2.5)
9. ES+Otx2+FGF8(10)+SHH(7.5)
10. ES+Otx2+FGF8(30)+SHH(15)
11. ES+Otx2+FGF8(30)+SHH(50)
12. Rat Striatum tissue (adult)

Fig. 4

A



B



C

**Mouse ES Cells on PA6 Cells with Fetal Rat Striatum**

Mean Colony Perimeter:  $2.968 \pm 0.231$ , Mean TH+ Cells/Colony:  $10.226 \pm 2.321$  mm  
 $r^2 = 0.62$ ,  $p < 0.05$

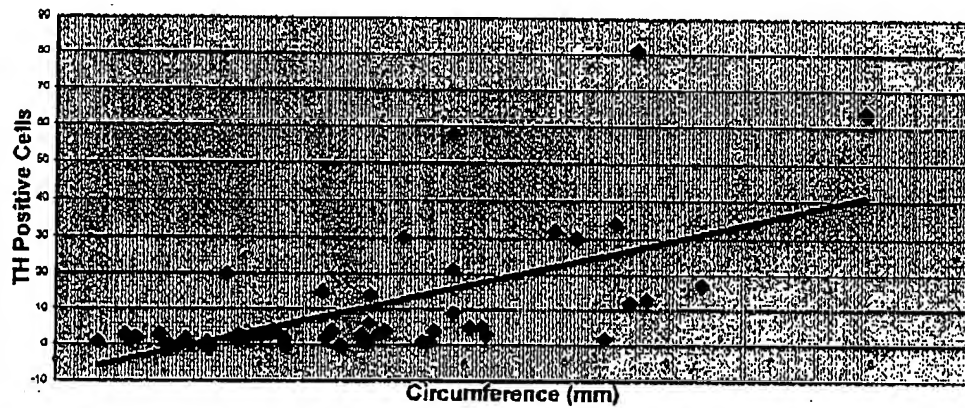


Fig. 5

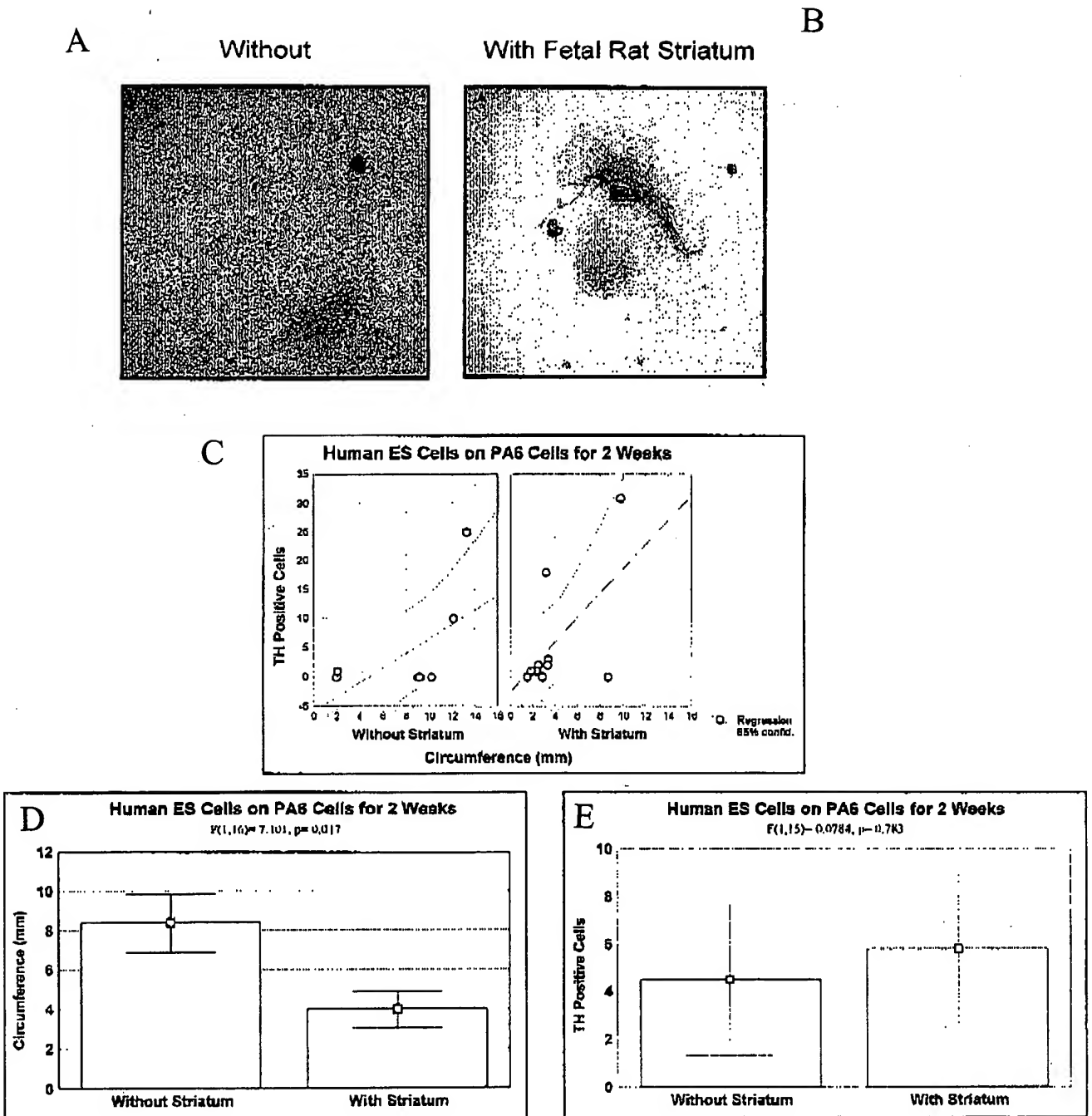


Fig. 6

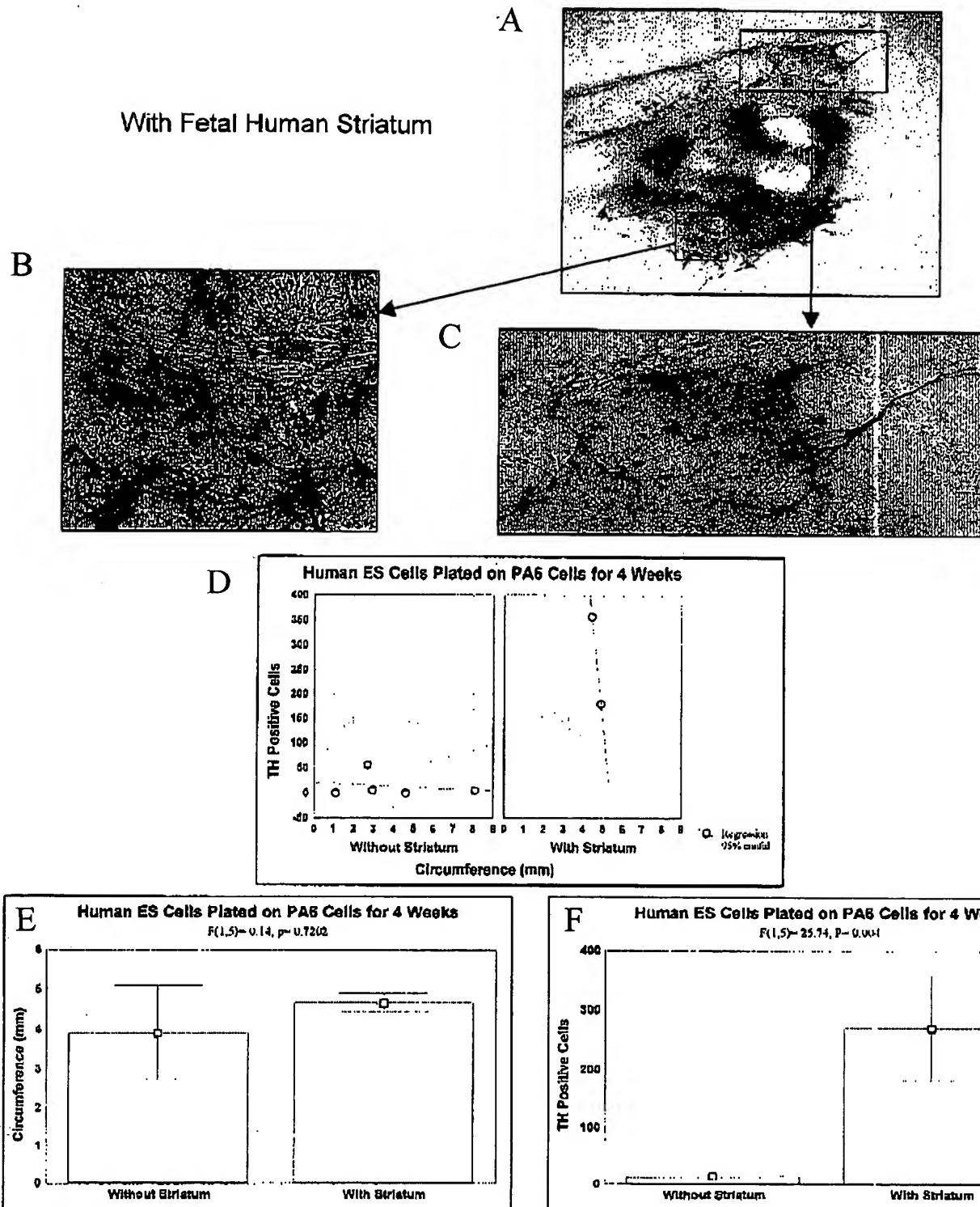


Fig. 7

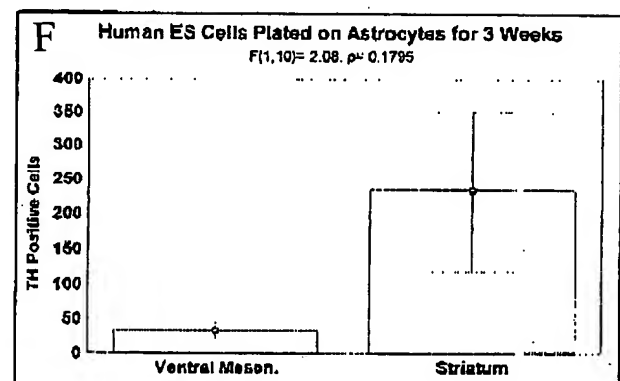
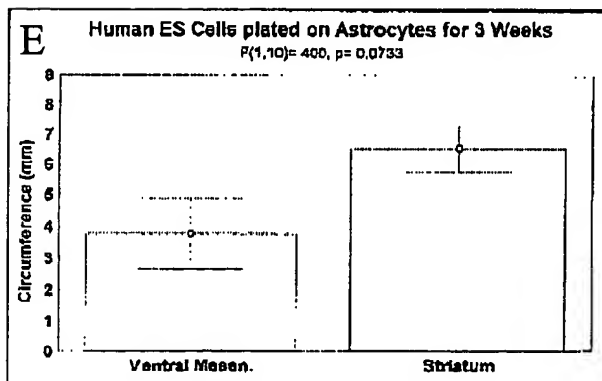
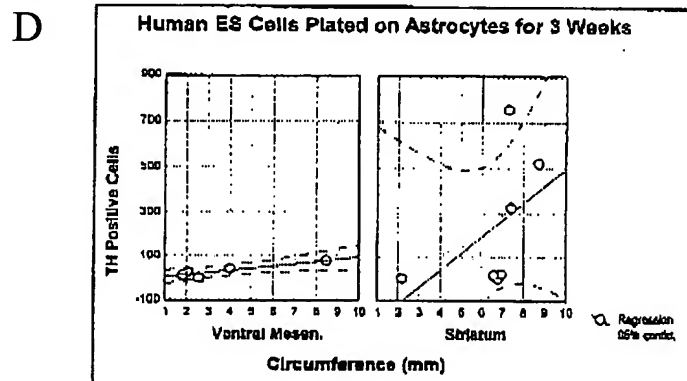
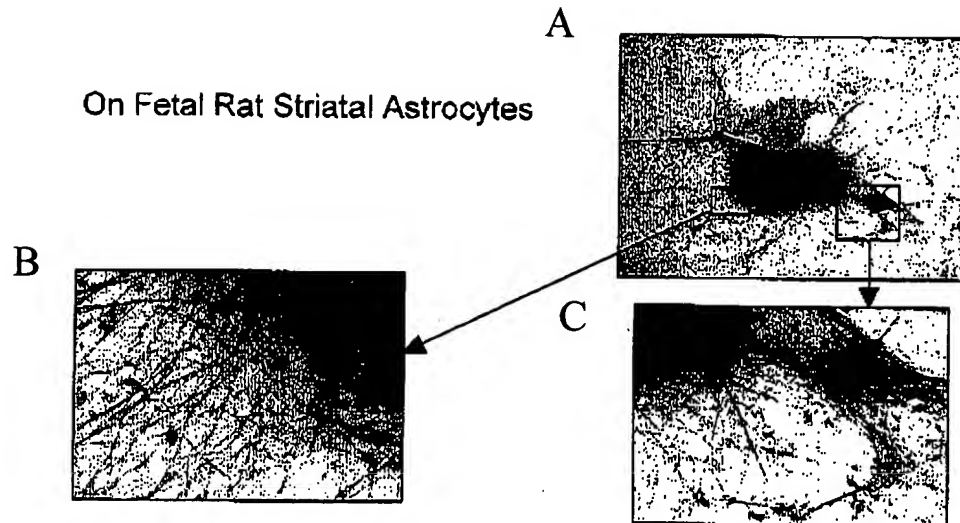


Fig. 8

